



Certificate of Analysis

Created September 15, 2022

Product: Donor Goat Serum
0.2µm sterile filtered

Catalog #: 100-109
Lot #: E121008
Origin: United States (100%)

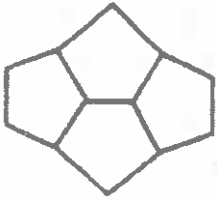
Manufacture Date: Jan 2021
Expiration Date: Jan 2026

TEST	SPECIFICATION	RESULTS
Biological Testing		
Endotoxin	Test and Report	<0.156 EU/mL
Microbiological Testing		
Sterility		
Bacteria	No Growth	No Growth
Fungi	No Growth	No Growth
Mycoplasma	None Detected	None Detected
Physical Testing		
pH	7.0 - 8.5	7.8
Biochemical Analysis		
Albumin	Test and Report	2.8 g/dL
Alkaline Phosphatase	Test and Report	94 U/L
ALT (SGPT)	Test and Report	32 U/L
AST (SGOT)	Test and Report	117 U/L
Bilirubin, Total	Test and Report	0.41 mg/dL
BUN	Test and Report	21 mg/dL
Calcium	Test and Report	9.1 mg/dL
Chloride	Test and Report	105 mEq/L
Cholesterol	Test and Report	49 mg/dL
Creatinine	Test and Report	0.92 mg/dL
Glucose	Test and Report	63 mg/dL
Hemoglobin	Test and Report	11.3 mg/dL
LDH	Test and Report	333 U/L
Phosphorus	Test and Report	6.4 mg/dL
Potassium	Test and Report	4.7 mEq/L
Protein, Total	Test and Report	7.2 g/dL
Sodium	Test and Report	144 mEq/L
Triglycerides	Test and Report	16 mg/dL
Uric Acid	Test and Report	<0.2 mg/dL

For Cell Culture, further Manufacturing and Research use only. Not for direct Therapeutic use.

Jacqueline Wilson / 15 SEP 2022
Created by/ date

Verified by/ date



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CERTIFICATE OF ANALYSIS Donor Goat Serum

Lot No. 4097
Sterile Filtered (0.2µm)
Store Frozen (-20°C)
Product Code: 462

Process Date: 1/05/2021
Expiration Date: 1/2026
Lot Volume: 73 x 3.0L
401 x 500ml
2 x 100ml

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>
Endotoxin (EU/ml) (Limulus Amebocyte Lysate Assay)	<0.5	<0.156
Hemoglobin (mg/dl)	<20.0	11.3
Mycoplasma (Modified Barile Method)	None detected	None detected
Bacteria & Fungi	No growth	No growth
pH	7.0 – 8.5	7.8
Total Protein (g/dl)	6.0 – 8.5	7.2
Immunoglobulin(g/dl)	>2.0	4.4

BIOCHEMICAL ANALYSIS

Glucose (mg/dl)	63	Cholesterol (mg/dl)	49
BUN (mg/dl)	21	Triglycerides (mg/dl)	16
Creatinine (mg/dl)	0.92	Bilirubin, Total (mg/dl)	0.41
Bun/Creatinine Ratio	22.8	Alkaline Phosphatase (U/L)	94
Sodium (mEq/L)	144	Gamma GTP (U/L)	64
Potassium (mEq/L)	4.7	LDH (U/L)	333
Chloride (mEq/L)	105	SGOT (U/L)	117
Phosphorus (mg/dl)	6.4	SGPT (U/L)	32
Calcium (mg/dl)	9.1	Iron (µg/dl)	96
Uric Acid (mg/dl)	<0.2		
Albumin (g/dl)	2.8		
A/G Ratio	.63		

This product was manufactured from donor goat blood collected and processed in Ryegate, Montana (USA).

“Product meets European Union requirements for production of technical blood products.”

Wiley Micks
Production Manager


Signature